

# NATIONAL ENGINEERS WEEK 2023

## Software Engineering



*Learn more about Software Engineering and how female engineers impact our world. Start by meeting our industry expert!*



**KATE GROSSMAN**  
**Associate Software Developer >> SAP**

Click the [green gear](#) to view our expert's video and learn about Software Engineering. Currently, Kate is on the Ariba SpotBuy team and part of SAP's Next Talent program for new graduates that encourages participants to explore, develop, and make an impact as full-time employees.

## STRETCH YOUR LEARNING

- Learn how to code with [this programming guide](#) an industry expert wished he had when he started.
- Create a self portrait in [CodeYourself](#) using Java.
- Design an app of your choice with a [freeCodeCamp Tutorial](#).
- Complete the Innovation Challenge below. ↓

## COMPLETE THE CHALLENGE TO WIN

Check out the details on the next page to learn how to:



**ACCEPT THE  
INNOVATION  
CHALLENGE**



**SHOWCASE  
YOUR PROJECT**



**SHARE FOR A  
CHANCE TO  
WIN \$100**



**IMPACT SURVEY FOR EDUCATORS:** Scan or click the QR code to share your feedback and for a chance to win \$100.

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## Innovation Challenge: Software Engineering



### ACCEPT THE INNOVATION CHALLENGE

**STEP 1:** Choose one of the following to remix, share, and test with peers, friends, or family:

1. a lesson on [Replit](#)
2. [NAF's Hour of Code: Code Your Brand](#)
3. a game on Code.org's [Game Lab](#)

**STEP 2:** Once you modify (or create) your lesson, activity, game, or code, share and test it with others, get their feedback, and make improvements. Next, showcase your learning journey!



### SHOWCASE YOUR CHALLENGE PROJECT

Present your learning journey using the Showcase Choice Board below. Then, generate a URL to share with your class, a mentor, an industry partner, or NAF!

Choice 1: [Create a YouTube video](#) to detail your learning through the project challenge.

Choice 2: Create a [blog](#) or a [social media campaign](#) to highlight your project and learning journey.

Choice 3: Create a digital portfolio to showcase your learning that you can share on applications for jobs or colleges. Consider using [bulb](#) or [Google Sites](#).

Choice 4: Code or create a simple webpage to showcase your project. Consider [Replit](#) or [Wix](#).



*Photo Credit: Disney*

Meet Lanny Smoot, a Walt Disney Imagineer! He has 100 U.S. patents, and is considered "[one of the most prolific Black inventors in American history](#)." He strives to inspire Black youth to chase STEM careers.

Choice 5: Produce a [PechaKucha](#) (a 400-second visual story) to showcase your project and learning journey.

Choice 6: Showcase your project in a format of your choosing.



### SHARE THE URL OF YOUR PROJECT SHOWCASE

Scan or click the QR code to complete the submission form and for a chance to win a \$100 gift card.



For more information, please contact [Christine Rodriguez](#).